



PATENT

ART UNIT

2816

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. 30/DBP/B600

SUBSTITUTION OF ATTORNEY WITH  
CHANGE OF ADDRESS FOR CORRESPONDENCE  
BY ASSIGNEECommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Commissioner:

Broadcom Corporation, assignee of the entire interest in and to each U.S. patent application, identified on Exhibit A attached, under an Assignment recorded in the U.S. Patent and Trademark Office, hereby revokes all previous Powers of Attorney and appoints:

|                      |          |                        |          |                        |          |
|----------------------|----------|------------------------|----------|------------------------|----------|
| D. Bruce Prout       | (20,958) | Harold E. Wurst        | (22,183) | Jun-Young E. Jeon      | (43,693) |
| Richard J. Ward, Jr. | (24,187) | Robert A. Green        | (28,301) | Peter A. Nichols       | (47,822) |
| LeRoy T. Rahn        | (20,356) | Richard A. Wallen      | (22,671) | Stephen D. Burbach     | (40,285) |
| Walter G. Maxwell    | (25,355) | Michael J. MacDermott  | (29,946) | Mark J. Marcelli       | (36,593) |
| William P. Christie  | (29,371) | Anne Wang              | (36,045) | David J. Steele        | (47,317) |
| David A. Dillard     | (30,831) | Constantine Marantidis | (39,759) | John W. Peck           | (44,284) |
| Thomas J. Daly       | (32,213) | Daniel R. Kimbell      | (34,849) | Tom H. Dao             | (44,641) |
| Vincent G. Gioia     | (19,959) | Daniel M. Cavanagh     | (41,661) | Frank L. Cire          | (42,419) |
| Edward R. Schwartz   | (31,135) | Gary J. Nelson         | (44,257) | Rodney V. Warfford     | (51,304) |
| John D. Carpenter    | (34,133) | Kathleen M. Olster     | (42,052) | R. W. Johnston         | (17,968) |
| Wesley W. Monroe     | (39,778) | Josephine E. Chang     | (46,083) | Hayden A. Carney       | (22,653) |
| David A. Plumley     | (37,208) | Joel A. Kauth          | (41,886) | Russell R. Palmer, Jr. | (22,994) |
| Gregory S. Lampert   | (35,581) | Patrick Y. Ikehara     | (42,681) | Richard D. Seibel      | (22,134) |
| Mark Garscia         | (31,953) | Raymond R. Tabandeh    | (43,945) | Richard J. Paciulan    | (28,248) |
| Syed A. Hasan        | (41,057) | Cynthia A. Bonner      | (44,548) | Richard A. Clegg       | (33,485) |

all members or associates of or of counsel to the firm CHRISTIE, PARKER & HALE, LLP, telephone (626) 795-9900, as principal attorneys with power to appoint associate attorneys, to prosecute this application and any subsequent application based on the disclosure of this application, and to transact all business in the Patent and Trademark Office connected with this application and any subsequent application.

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on: 10/10/03 D Prout  
(Date of Deposit)

B600:30/DBP

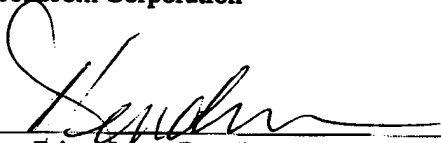
The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

Please address all correspondence to **CHRISTIE, PARKER & HALE, LLP**, P.O. Box 7068, Pasadena, California 91109-7068. Customer Number: 23363

Broadcom Corporation

Date: September 12, 2003

By

  
Print Name: Dee Henderson  
Title: Intellectual Property Portfolio  
Manager

DBP/djp

DJP PASS24724.1-\*09/5/03 9:47 AM

CPH/BP No.

Application No.

Filing Date



Title

|                  |                          |                         |  |
|------------------|--------------------------|-------------------------|--|
| /BP1646          | 09/614,308               | 7/12/2000               | Fast Acquisition Phase Locked Loop Using a Current DAC   |
| 50944/BP1647     | 09/540,243/<br>6,526,113 | 3/31/2000/<br>2/25/03   | GM Cell Based Control Loops  |
| /BP1648          | 09/632,665               | 8/7/2000                | CMOS Lock Detect With Double Protection  |
| 50955/BP1649     | 09/632,666               | 8/7/2000                | Built-In Shelf Test for Multi-Channel Transceivers without Data Alignment                                    |
| /BP1651          | 09/615,033/<br>6,389,092 | 7/12/2000/<br>5/14/2002 | Stable Phase Locked Loop Having Separated Pole   |
| /BP1651CON       | 10/095,556/<br>6,549,599 | 3/11/2002/<br>4/15/2003 | Stable Phase Locked Loop Having Separated Pole   |
| 50952/BP1653     | 09/792,684/<br>6,566,971 | 2/24/01/<br>5/20/2003   | Method and Circuitry for Implementing a Differentially Tuned Varactor-Inductor Oscillator                    |
| 50953/BP1653CON  | 10/407,909               | 4/2/2003                | Method and Circuitry for Implementing a Differentially Tuned Varactor-Inductor Oscillator                    |
| /BP1654          | 09/782,687               | 2/12/2001               | Linear Half-Rate Phase Detector and Clock and Data Recovery Circuit  |
| /BP1655          | 09/784,419               | 2/15/2001               | Linear Full-Rate Phase Detector and Clock and Data Recovery Circuit  |
| 50947/BP1656     | 09/772,781/<br>6,396,894 | 1/29/2001/<br>5/28/2002 | Overflow Detector for FIFO   |
| 50948/BP1656CON1 | 10/104,870/<br>6,519,311 | 3/21/2002/<br>2/11/2003 | Overflow Detector for FIFO   |
| /BP1657          | 09/788,220/<br>6,396,360 | 2/16/2001/<br>5/28/2002 | Method and Circuitry for Implementing an Inductor-Capacitor Phase Interpolated Voltage-Controlled Oscillator |
| /BP1658          | 09/650,275               | 8/29/2000               | Seal Ring for Integrated Circuits  |
| /BP1660          | 09/919,636               | 7/31/2001               | Fully Differential CMOS Phase-Locked Loop  |
| /BP1815          | 09/860,284               | 5/18/2001               | Varactor Based Differential VO Band Switching  |
| 50957/BP1818     | 10/037,897               | 10/22/2001              | Methods and Circuitry for Reducing Intermodulation in Integrated Transceivers                                |

EXHIBIT A

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CPH/BP No.

Application No.

Filing Date

Title

|                 |            |            |  |
|-----------------|------------|------------|--|
| /BP1851         | 09/927,705 | 8/10/2001  | Line Loop Back for Very High Speed Application                                   |
| 50950/BP1883DIV | 10/267,054 | 10/7/2002  | Low Voltage Differential to Single-Ended Converter                               |
| /BP1885         | 09/910,436 | 7/19/2001  | Synchronous Data Serialization Circuit   |
| /BP1885CON      | 10/431,103 | 5/6/2003   | Synchronous Data Serialization Circuit   |
| 50958/BP1884    | 09/955,693 | 9/18/2001  | Linear Phase Detector for High Speed Clock data Recovery                         |
| 50945/BP2015    | 09/969,837 | 10/1/2001  | High-Speed Peak Amplitude Comparator   |
| /BP2137         | 10/159,788 | 5/30/2002  | Method and Apparatus for High Speed Signal Recovery                              |
| 50956/BP2138    | 10/092,166 | 3/4/2002   | High Frequency Statistical Loss of Signal Detector                               |
| 50964/BP2144    | 10/241,140 | 9/10/2002  | Phase Lock Loop with Cycle Drop and Add Circuitry                                |
| 50963/BP2233    | 10/243,086 | 9/12/2002  | Delay Generator  |
| 50959/BP2233.1  | 10/243,281 | 9/12/2002  | Symmetric Differential Logic Circuits  |
| 50960/BP2360    | 10/293,163 | 11/12/2002 | Phase Detector for Extended Linear Response and High-Speed Data Regeneration     |
| 50961/BP2361    | 10/293,624 | 11/12/2002 | Phase Detector with Delay Elements for Optimum Data Regeneration                 |
| 50962/BP2385    | 10/335,190 | 12/30/2002 | CDR Lock Detector with Hysteresis  |
| 50896/BP2454    | 09/747,392 | 12/22/2000 | Methods of Recording Voice Signals in a Mobile Set                               |
| /BP2445         | 09/640,963 | 8/16/2000  | Code Puncturing Method and Apparatus   |
| /BP2446         | 09/636,000 | 8/9/2000   | Maximum Likelihood Sequence Estimator which Computes Branch Metrics in Real Time |
| /BP2448         | 10/228,165 | 8/26/2002  | Frequency Offset Correction Circuit for WCDMA                                    |
| /BP2449         | 10/242,319 | 9/11/2002  | MPSK Equalizer   |
| /BP2450         | 10/272,507 | 10/15/2002 | Shifted 8PSK Modulator for EDGE  |

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EXHIBIT A

Page 2



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 12, 2006.*

Ann Bounthavong

Applicant : Afshin Momtaz, et al. Confirmation No. 9226  
Application No. : 10/092,166  
Filed : March 4, 2002  
Title : HIGH FREQUENCY LOSS OF SIGNAL DETECTOR  
  
Grp./Div. : 2634  
Examiner : Linda Wong  
  
Docket No. : 50956/B600

LETTER RE RECOGNITION OF TEN PATENT PRACTITIONERS

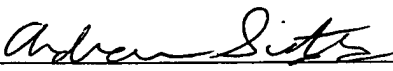
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
January 12, 2006

Commissioner:

It is hereby requested that the attorneys listed on the attached TEN PATENT PRACTITIONERS TO BE RECOGNIZED BY PTO IN APPLICATION TO WHICH POWER OF ATTORNEY IS DIRECTED, and on the attached previously filed SUBSTITUTION OF ATTORNEY, be entered and recognized by the U.S. Patent and Trademark office as attorneys of record in the subject application.

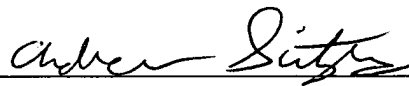
Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By   
Andrew D. Sitzler  
Reg. No. 53,601  
626/795-9900

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TEN PATENT PRACTITIONERS TO BE RECOGNIZED BY  
PTO IN APPLICATION TO WHICH  
POWER OF ATTORNEY IS DIRECTED

|                      |          |
|----------------------|----------|
| D. Bruce Prout       | (20,958) |
| Richard J. Ward, Jr. | (24,187) |
| Jonathan S. Miller   | (48,534) |
| Walter G. Maxwell    | (25,355) |
| David A. Dillard     | (30,831) |
| Thomas J. Daly       | (32,213) |
| Richard J. Paciulan  | (28,248) |
| John D. Carpenter    | (34,133) |
| Wesley W. Monroe     | (39,778) |
| Andrew D. Sitzer     | (53,601) |

By   
Andrew D. Sitzer  
Reg. No. 53,601